

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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		U.S. APPLICATION SERIAL NO. 10/675,979	CONFIRMATION NO. 6296
		FILING DATE October 1, 2003	
INVENTOR(S) Limin Li		EXAMINER	
TITLE OF APPLICATION ANTI-TSG101 ANTIBODIES AND THEIR USES FOR TREATMENT OF VIRAL INFECTIONS		GROUP ART UNIT 1645	


U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/BP/	B	WO 2004/039311	05/13/2004	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
/BP/	C	Supplementary Partial European Search Report dated November 17, 2005

EXAMINER /Bo Peng/	DATE CONSIDERED 02/16/2007
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET NO. 5398-001-27		SERIAL NO. 10/675,979	
				APPLICANT Limin LI			
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LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
/BP/	AA	2002/0177207	11/28/02	SUGIYAMA, et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
/BP/	AB	WO 02/072790	09/19/02	WIPO	X		
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/BP/	AC	Oh, et al., "Negative regulation of cell growth and differentiation by TSG101 through association with p21 ^{Cip1/WAF1} ", Proc. Natl. Acad. Sci. USA, Vol. 99, No. 8, pp. 5430-5435, 2002.					
	AD	Krcmpler, et al., "Targeted Deletion of the <i>Tsg101</i> Gene Results in Cell Cycle Arrest at G ₁ /S and p53-independent Cell Death", Jour. Biol. Chem., Vol. 277, No. 45, pp. 43216-41223, 2002.					
	AE	Wagner, et al., "Tsg101 Is Essential for Cell Growth, Proliferation, and Cell Survival of Embryonic and Adult Tissues", Mol. and Cell Biol., Vol. 23, No. 1, pp. 150-162, 2003.					
	AF	Bishop, et al., "Mammalian cell E vps proteins recognize ubiquitin and act in the removal of endosomal protein-ubiquitin conjugates", Jour. Cell Biol., Vol. 157, No. 1, pp. 91-101, 2002.					
	AG	Li, et al., "A TSG101/MDM2 regulatory loop modulates MDM2 degradation and MDM2/p53 feedback control", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 4, pp. 1619-1624, 2001.					
	AH	Ruland, et al., "p53 Accumulation, defective cell proliferation, and early embryonic lethality in mice lacking <i>tsg101</i> ", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 4, pp. 1859-1864, 2001.					
	AI	Moyret-Lalle, et al., "p53 Induction Prevents Accumulation of Aberrant Transcripts in Cancer Cells", Cancer Research, Vol. 61, pp. 486-488, 2001.					
	AJ	Göttlinger, et al., "Effect of mutations affecting the p6 gag protein on human immunodeficiency virus particle release", Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 3195-3199, 1991.					
	AK	Huang, et al., "p6 ^{Gag} Is Required for Particle Production from Full-Length Human Immunodeficiency Virus Type 1 Molecular Clones Expressing Protease", Jour. Virol., Vol. 69, No. 11, pp. 6810-6818, 1995.					
	AL	Parent, et al., "Positionally Independent and Exchangeable Late Budding Functions of the Rous Sarcoma Virus and Human Immunodeficiency Virus Gag Proteins", Jour. Virol. Vol. 69, No. 9, pp. 5455-5460, 1995.					
↓	AM	Yuan, et al., "Mutations altering the Moloney murine leukemia virus p12 Gag protein affect virion production and early events of the virus life cycle", The EMBO Jour., Vol. 18, No. 17, pp. 4700-4710, 1999.					
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/BP/	BA	Yasuda, et al., "A Proline-Rich Motif (PPPY) in the Gag Polyprotein of Mason-Pfizer Monkey Virus Plays a Maturation-Independent Role in Virion Release", Jour. Virol. Vol. 72, No. 5, pp. 4095-4103, 1998.	
	BB	Puffer, et al., "Equine Infectious Anemia Virus Utilizes a YXXL Motif within the Late Assembly Domain of the Gag p9 Protein", Jour. Virol., Vol. 71, No. 9, pp. 6541-6546, 1997.	
	BC	Wills, et al., "An Assembly Domain of the Rous Sarcoma Virus Gag Protein Required Late in Budding", Jour. Virol., Vol. 68, No. 10, pp. 6605-6618, 1994.	
	BD	VerPlank, et al., "Tsg101, a homologue of ubiquitin-conjugating (E2) enzymes, binds the L domain in HIV type 1 Pr55 ^{Gag} ", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 14, pp. 7724-7729, 2001.	
	BE	Garrus, et al., "Tsg101 and the Vacuolar Protein Sorting Pathway Are Essential for HIV-1 Budding", Cell, Vol. 107, pp. 55-65, 2001.	
	BF	Martin-Serrano, et al., "HIV-1 and Ebola virus encode small peptide motifs that recruit Tsg101 to sites of particle assembly to facilitate egress", Nature Medicine, Vol. 7, No. 12, pp. 1313-1319, 2001.	
	BG	Pornillos, et al., "Structure and functional interactions of the Tsg101 UEV domain", The EMBO Jour., Vol. 21, No. 10, pp. 2397-2406, 2002.	
	BH	Demirov, et al., "Overexpression of the N-terminal domain of TSG101 inhibits HIV-1 budding by blocking late domain function", Proc. Natl. Acad. Sci. USA, Vol. 99, No. 2, pp. 955-960, 2002.	
	BI	Patnaik, et al. "Ubiquitin is part of the retrovirus budding machinery", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, pp. 13069-13074, 2000.	
	BJ	Schubert, et al., "Proteasome inhibition interferes with Gag polyprotein processing, release, and maturation of HIV-1 and HIV-2", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, pp. 13057-13062, 2000.	
	BK	Strack, et al., "A role for ubiquitin ligase recruitment in retrovirus release", Proc. Natl. Acad. Sci. USA, Vol. 97, No. 24, pp. 13063-13068, 2000.	
	BL	Bishop, et al., "TSG101/Mammalian VPS23 and Mammalian VPS28 Interact Directly and Are Recruited to VPS4-induced Endosomes", Jour. Cell Biol., Vol. 276, No. 15, pp. 11735-11742, 2001.	
↓	BM	Little, et al., "Antiretroviral-Drug Resistance Among Patients Recently Infected With HIV", New. Eng. Jour. Med., Vol. 347, No. 6, pp. 385-394, 2002.	
	BN	Li, et al. Cell Vol. 85, pp. 319-320, 1996.	
	BO	Zhong, et al. Cancer Research, Vol. 58, pp. 2699-2702, 1998.	
	BP	Babst, et al., Traffic, Vol. 1, pp. 248-258, 2000.	
	BQ	Wills, et al., Aids, Vol. 5, pp. 639-654, 1991.	
	BR	Blower, et al., AIDS Rev., Vol. 5, pp. 113-125, 2003.	
	BS	Valdiserri, et al., Nat. Med., Vol. 9, pp. 881-886, 2003.	
	BT	Thali, et al., J. Acquired Immune Deficiency Syndromes, Vol. 5, pp. 591-599, 1992.	
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